

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

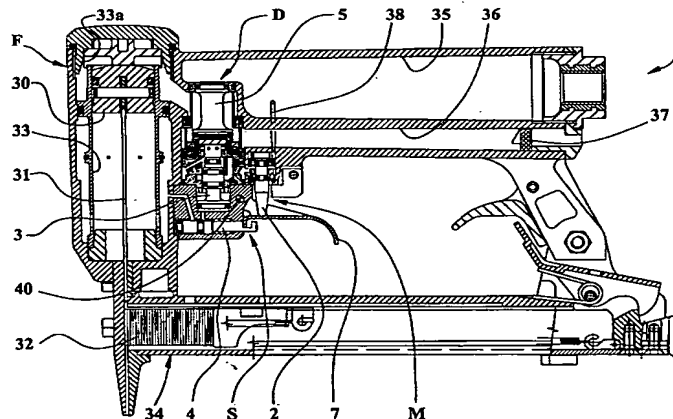
PCT

(10) International Publication Number
WO 2005/056242 A1

- (51) International Patent Classification⁷: **B25C 1/04**
- (21) International Application Number:
PCT/IB2004/004082
- (22) International Filing Date:
10 December 2004 (10.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
BO2003A000740
10 December 2003 (10.12.2003) IT
- (71) Applicant (for all designated States except US): **FASCO S.P.A.** [IT/IT]; Via Buozzi, 2, I-40057 Cadriano di Granarolo Emilia (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **RONCONI, Marco** [IT/IT]; Via Oblach, 2, I-40100 Bologna (IT).
- (74) Agent: **AGAZZANI, Giampaolo**; Agazzani & Associati S.R.L., Via Dell'Angelo Custode, 11/6, I-40141 Bologna (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: PNEUMATIC FIXING MACHINE



(57) Abstract: A pneumatic fixing machine comprises a piston mean (30) sliding inside a cylinder (33); first valve means (5) mobile between two extreme opening (E) and closing (D) positions, in correspondence of which they connect in flow communication a inlet portion (33a) of said cylinder (33) respectively with a feeding of pressurized fluid and with an external outlet; second valve means (2) which can be operated by means of a trigger mean (7) and mobile at least between an occlusion position (M) and a passage position (L) to connect in flow connection, through at least a first duct (9), a base portion (5a) of the first valve means (5) respectively with the feeding of fluid in pressure and with an external outlet. The machine (1) comprises: - third valve means (3) mobile between a position of obstruction (N) and a crossing position (Q), respectively to cut off or to open a flow connection between the duct (9) and the first valve means (5); - fourth valve means (4) which can be operated by means of the trigger mean (7) and mobile between a block position (S) and a transit position (T), in which respectively they obstruct or make free a flow connection between the cylinder (33) and the third valve means (3).



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.